INDEX OF ABSTRACTS

Abbott, O. A., and de Oliveria, H. R. Pneumothorax following bronchoscopy, 116
Abbott, W. E. See Hirshfeld, J. W., *et al.*, 118
Abel, H. A., and Katz, H. L. Tuberculous meningitis, 45
Abercromby, B. M. L. Foreign bodies, 115
Abnormal X-ray findings in surveys, 133
Abscess, Lung, 77
——, mediastinal, Anterior, 124
——, Tuberculous, following penicillin, 155
Absorption and excretion of streptomycin, 168
——, Pleural, of dyes, 68
Accelerated sensitization, 163
Acevedo, R. C., Giuntini, L. S., and Croxatto, O. C. Pulmonary adenomatosis, 108
Acid-fast bacilli, False, 158
—— microörganisms, Atypical, 56
—— organisms in gastric contents, 43
Acids, Fatty, and bacterial growth, 157
Actinomycosis, Pulmonary, 83
——, ——, Treatment of, 182
Active tuberculosis, Negative tuberculin reaction in, 23
Acute empyema, Penicillin in, 119
—— silicosis, 102
Adams, A. J., Captain, and Fitzpatrick, L. J., Major. Nerve block in treatment of thoracic injuries, 126
Adams, R. Primary lung tumors, 107
Adenoma of bronchus, 109
Adenomatosis, Pulmonary, 108
Adults, Primary tuberculosis in, 16, 134, 135
Aerosol in asthma, 182
Age, Pulmonary calcifications and, 178
Aged, Pneumonia in, 72
Agenesis of lung, 68
Air-borne tubercle bacilli, 61
Air-flow, Respiratory, 173
Aksel, A. Mediastinal tumors removed by surgery, 123
Albino rat, Endemic pneumonia in, 73
Alexander, A. E., and Soltya, N. A. Surface-active substances and tubercle bacilli, 159
Alexander, H. Tuberculous bronchitis, 25
Alibert, A. See Biedermann, A., *et al.*, 132
Alkylresorcinols on tubercle bacilli, 59
Allen, A. W., Linton, R. L., and Donaldson, G. A. Pulmonary embolism, 95
Allen, Margaret F. See Furcolow, M. L., *et al.*, 7
Allen, W. See Hampton, S. F., *et al.*, 107
Allergy, Spread of dye in, 65
——, Tuberculin, 66
Alley, F. H. Extrapleural pneumothorax, 144
Alveolar and arterial oxygen pressure, 175
—— cell tumor, 107
—— gas pressure, 175
Anal fistula, 130
Anaphylactic reactions to Congo red, 130
Anatomy of right upper lobe bronchus, 172
Anderson, R. G., and Chapman, E. M. Physical diagnosis, 69
Andrejew, A. Respiration of tubercle bacilli, 156
Anemia, Pernicious, and tuberculosis, 139
Aneurysm of innominate artery, 128
Anoxemia, Pulmonary ventilation and, 174
Antagonistic growth substances, 164
Anterior mediastinal abscess, 124
Antibiotic from *Ramalina reticulata*, 165
Antibodies against pneumococci, 71
—— to pneumococci and polysaccharides, 70
Antituberculosis work, Controversial points in, 131
Arnold, M. Indications for collapse therapy, 140
Aronovitch, M. Atelectasis, 92
——, ——., and Vineberg, A. M. Anterior mediastinal abscess, 124
Aronson, J. D., and Palmer, C. E. BCG vaccination in Indians, 63
Arterial, Alveolar and, oxygen pressure, 175
Artery, innominate, Aneurysm of, 128
Arthritis, Tuberculous, 153
Artificial pneumothorax, 31, 32
Ashton, N. Tuberculomata of liver, 152
Aspiration, Bronchial, in atelectasis, 93
Aspirations, bronchoscopic, Tubercle bacilli in, 159
Asthma, 105, 107
——, Aerosol in, 182
—— in Southwest Pacific, 105
——, Premenstrual, 107
——, Surgery for, 106
Atelectasis, 14, 92
—— after hemoptysis, 28
——, Bronchial aspiration in, 93
——, Bronchiectasis and, 181
Atelectatic bronchiectasis, 181
Atresia, Esophageal, and tracheo-esophageal fistula, 124

Atypical acid-fast microörganisms, 56
—— pneumonia, Primary, 74
Aufses, Beatrice H. Instrument tray for chest surgery, 146
Averous, M. Extrapleural pneumothorax and penicillin, 145
Avian tuberculosis in man, 29
Aycock, T. B. See Brantigan, O. C., *et al.*, 37
Azparren, J. S., and Juarrero, V. P. Toxic granulations in tuberculosis, 44

Bacilli, acid-fast, False, 158
——, Bovine type, 158
——, Chemical inhibition of, 165
——, Hansen's, and cultured leprosy bacilli, Disparity between, 157
——, leprosy, cultured, Hansen's bacilli, and, Disparity between, 157
——, tubercle, Air-borne, 61
——, ——, Alkylresorcinols on, 59
——, ——, and urea, 59
——, ——, Culture of, 160
——, ——, Demonstration of, in sputum, 43
——, ——, Diagnostic culture of, 160
——, ——, Dissociation of, 158
——, ——, Growth of, in liquid media, 54
——, ——, —— rate of, 56
——, ——, —— stimulation of, 160
——, ——, in bronchoscopic aspirations, 159
——, ——, —— gastric contents, 43
——, ——, —— tuberculous lesions, 140
——, ——, Metabolism of, 57, 156
——, ——, Preservation of, 159
——, ——, Respiration of, 156
——, ——, Streptomycin resistant strains of, 168
——, ——, Submerged growth of, 159
——, ——, Surface-active substances and, 159
——, ——, Virulence of, 57
——, ——, Vole, 161
Bacillus subtilis, Action of, 170
Bacillus, tubercle, Culture medium for, 55
Bacteria and fungi, Fatty material in, 157
——, various, P-aminosalicylic acid against, 169
Bacterial growth, Fatty acids and, 157
Bacteriostasis *in vitro*, 164
Baker, H., and Wilson, D. A. Experimental pulmonary collapse, 92
Ballooned, inert and residual cavities, 141
Banker, J. C. Tuberculosis in swine, 170
Bariéty and Barrabé. Tuberculosis of serous membranes, 49
Bariéty, M., and Paillas, J. Perforation of tension cavity, 136
——, ——., —— ——, ——. Tubercle bacilli in bronchoscopic aspirations, 159
——, ——., —— ——, ——. X-ray appearance of draining bronchi, 27
Baron, J. See Dufourt, A., *et al.*, 137
Barrabé and Bariéty. Tuberculosis of serous membranes, 49
Barrett, M. R., and Thomas, D. Hydatid cyst, 85
Bass, H. E. Inoculation tuberculosis, 150
Bassin, S. See Bobrowitz, I. D., *et al.*, 112
BCG, 62, 63
—— in Denmark, 62
——, Local reactions to, 163
—— vaccination, 61, 163
—— —— in Indians, 63
Bed-rest, 29
Beds for tuberculosis, 3
Benatt, A. J. Pneumoperitoneum against hemoptysis, 36
——, ——. ——., and Berg, W. F. Electrocardiogram in pneumoperitoneum, 36
Bence, A., Peroncini, J., and Rey, R. C. Biopsy of lung cancer, 109
Bence, A. E. Bronchial aspiration in atelectasis, 93
Berblinger, W. Genito-urinary tuberculosis, 155
——, ——. Tuberculosis of uterus, 154
Berczeller, A., and Frank, Grace. False acid-fast bacilli, 158
Berg, S. Intrapleural and extrapleural pneumothorax, 33
Berg, W. F., and Benatt, A. J. Electrocardiogram in pneumoperitoneum, 36
Bergquist, S., and Ernberg, T. Primary tuberculosis in adults, 16
Bernard, E., and Weil, J. Duration of pneumothorax, 142
Bernstein, A. See Klosk, E., *et al.*, 100
Bernstein, I. J., and Selikoff, I. J. Anaphylactic reaction to Congo red, 130
——, ——. ——. See Fox, T. T., *et al.*, 29
Bertheau, M. Empyema in pneumothorax, 142
Beryllium poisoning, 104
Besançon, F., and Delarue, J. Tuberculous necrosis, 162
Biedermann, A., Alibert, A., Mery, J., Lerolle, M., and Paillas, P. Fluoroscopy in railroad employees, 132
Biggs, A. D. Primary tuberculosis, 15

Bilateral pleural effusions, 47
—— pneumothorax, Pneumonolysis in, 33
Billingslea, T. H., and Smyth, C. J. Lung abscess, 77
Bindslev, J., and Jensen, K. A. Virulence of tubercle bacilli, 57
Biological changes in *M. ranae*, 60
Biopsy of lung cancer, 109
Birkhaug, K. Immunology of tuberculosis, 64
——, ——., and Böe, J. Spread of dye in allergy, 65
——, ——., —— Schjelderup, H. Hematology in experimental tuberculosis, 66
Blahd, M., Leslie, M. I., and Rosenthal, S. R. Infectiousness of closed cases, 12
Blahd, Margery. See Rosenthal, S. R., *et al.*, 163
Blajat Pena, I. Pulmonary segments, 88
Bloch, H. Metabolism of tubercle bacilli, 156
Blood coagulation in pleural cavity, 117
—— prothrombin in tuberculosis, 25
—— sedimentation, Heparin and, 44
Bobrowitz, I. D., Edlin, J. S., Bassin, S., and Woolley, J. S. Penicillin in bronchiectasis, 112
Body fluids, Streptomycin in, 168
Böe, J., and Birkhaug, K. Spread of dye in allergy, 65
Boeck's sarcoidosis, 86
Bone tuberculosis, 152
—— ——, Surgery in, 153
Bornstein, P. K. Streptomycin in tuberculous meningitis, 167
Boulenger, P., and Maclouf, A.-C. Accelerated sensitization, 163
——, ——. See Courcoux, A., *et al.*, 163
Bouquet, F. See Perdigon, E., *et al.*, 164
Bovard, P. G., and Ritter, W. L. Hazards in fire-brick industry, 104
Bovine type bacilli, 158
Bradbury, F. C. S. Avian tuberculosis in man, 29
Braillon, J. Extrapleural pneumonolysis, 145
Brannon, E. S. See Merrill, A. J., *et al.*, 126
Brantigan, O. C. Open pneumonolysis, 143
——, ——. ——., Aycock, T. B., Hoffman, R., and Welch, H. J. Relaxing thoracoplasty, 37
Brean, H. P., and Kane, L. W. Pulmonary tuberculosis in medical students, 132
Breath sounds, 43
Brewer, L. A. Plombage, 36
Brewer, L. A., III, Major. See Buford, T. H., Major, *et al.*, 129
Brjum, V. I. Atelectasis, 14
Brock, R. C. New incision in thoracoplasty, 147
Bronchi, Draining, 26
——, ——, X-ray appearance of, 27
Bronchial aspiration in atelectasis, 93
—— disease, Penicillin in, 112
Bronchiectasis, 114
—— and atelectasis, 181
—— —— dextrocardia, 113
——, Atelectatic, 181
——, Bronchoscopy in, 114
——, early, Cure of, by pneumothorax, 180
——, Flagellate in, 181
——, Nondisabling, 110
——, Penicillin in, 112
——, Surgery for, 114
——, Treatment of, 111
——, X-ray diagnosis in, 113
Bronchitis, Tuberculous, 25
Bronchoscopic aspirations, Tubercle bacilli in, 159
—— treatment, 139
Bronchoscopy, Hemoptysis and, 182
—— in bronchiectasis, 114
——, Pneumothorax following, 116
Bronchospirometry, Postpneumothorax, 34
Bronchus, Adenoma of, 109
——, Cancer of, 108
——, right upper lobe, Anatomy of, 172
Brown, C. L. See Durant. T. M., *et al.*, 73
Brown, H. A., Hinshaw, H. C. Streptomycin toxicity, 42
Bruce, T. Postpneumothorax bronchospirometry, 34
Brunner, A. Displacement of mediastinum, 122
Buford, T. H., Major, and Burbank, B., Major. Traumatic wet lung, 98
——, ——. ——., ——, Samson, P. C., Major, Brewer, L. A., III, Major, and Burbank, B., Major. Recovery from hemolytic staphylococcus aureus bacteremia, 129
Buggs, C. W. See Hirshfeld, J. W., *et al.*, 118
Buie, L. A., and Jackman, R. J. Anal fistula, 130
Bullous emphysema, 100
Bunn, P. A., McDermott, W., Hadley, Susan J., and Carter, Anne C. Pneumonia, 71
Burbank, B., Major, and Buford, T. H., Major. Traumatic wet lung, 98
——, ——., ——. See Buford, T. H., Major, *et al.*, 129

Burdon, K. L. Disparity between Hansen's bacilli and cultured leprosy bacilli, 158
——, ——. ——. Fatty material in bacteria and fungi, 157
Burgos, R. See Gomes, F. D., *et al.*, 31
Burns, Pulmonary complications in, 94
——, Pulmonary lesions in, 94
Buu-Hoi and Jouin, J. P. Chemical inhibition of bacilli, 165

Calafat, A. M. Tuberculosis of nasal septum, 51
Calcifications in spleen, 178
——, Pleural, 49
——, Pulmonary, 177, 178
——, ——, and age, 178
Cameron, G. M., and Castles, R. Demonstration of tubercle bacilli in sputum, 43
Camiel, M. R. Draining bronchi, 26
——, ——. ——. Tuberculous arthritis, 153
Canabal, E. J., and Piaggio Blanco, R. A. Insufflated hydatid cyst, 28
Cancer, lung, Biopsy of, 109
—— of bronchus, 108
Canetti, G. Tubercle bacilli in tuberculous lesions, 140
Cantonnet Blanch, H. See Cantonnet Blanch, P., *et al.*, 63
Cantonnet Blanch, P., Cantonnet Blanch, H., and Lieutier, H. BCG, 63
Cara, M., and Monod, R. Pulmonary permeability, 176
Carcopino, C., and Joly, H. Results of thoracoplasty, 146
Cardiac dyspnea, Respiration in, 176
Cardiospasm in tuberculosis, 139
Carmodi, M. G. See Van Ordstrand, H. S., *et al.*, 104
Carryer, H. M., Prickman, L. E., Maytum, C. K., and Koelsche, G. A. Asthma, 105
Carter, Anne C. See Bunn, P. A., *et al.*, 71
Cases, closed, Infectiousness of, 12
Cassinelli, J. F., and Lasnier, E. P. Hydatid cyst, 84
Castles, R., and Cameron, G. M. Demonstration of tubercle bacilli in sputum, 43
Cat, Tuberculosis from a, 45
Cattle tuberculosis in U.S.A., 67
Cavity, pleural, Blood coagulation in, 117
——, tension, Perforation of, 136
Cell tumor, Alveolar, 107
Cellular transfer of tuberculin reactivity, 162
Centre, Respiratory, 173
Cervia, T., and Gutierez, V. Hepatitis and tuberculosis, 28
Cervical lymph nodes, Tuberculous, 51
Changes, Biological, in *M. ranae*, 60
Chapman, C. B., and Whorton, C. M. Miliary tuberculosis, 44
Chapman, E. M., and Anderson, R. G. Physical diagnosis, 69
Charlier, R. Aerosol in asthma, 182
Chase, M. W. Cellular transfer of tuberculin reactivity, 163
Chauvet, M. Cardiospasm in tuberculosis, 139
Chemical inhibition of bacilli, 165
Chemistry of chronic lesions, 139
Chemotherapy, Experimental, 40
Chest examinations in discharged soldiers, 132
—— films, Miniature, 6
—— operations, Support for patients during, 146
——, Pain in, 124
—— surgery, Instrument tray for, 146
—— wounds, 126
—— ——, penetrating, Circulation in, 126
Children, Disseminated tuberculosis in, 15
——, Tuberculosis in, 12, 13, 14
Chronic epituberculosis, 136
—— lesions, Chemistry of, 139
—— pulmonary infections, Penicillin in, 77
Chute, R. Genito-urinary tuberculosis, 154
Circulation in penetrating chest wounds, 126
Cities, major, Tuberculosis in, 3
——, Tuberculosis mortality in, 3
Clark, D., and Gilmore, J. H. Coccidioidin tests, 82
Classification of tuberculosis of skin, 151
Claviculectomy, Partial, 148
Climie, H. Tuberculin patch tests, 7
Clinical experiences with p-aminosalicylic acid, 169
Closed cases, Infectiousness of, 12
Coagulation, Blood, in pleural cavity, 117
Coccidioidin tests, 82
Cochrane, A. L. Tuberculosis among prisoners of war, 10
Cohen, B. See Halbert, P., *et al.*, 69
Cohen, R. Tuberculosis and pregnancy, 22
Cohen, R. C. Lower-lobe tuberculosis, 24
——, ——. ——. Pneumoperitoneum, 35
Cohen, S. See Kinsman, J. M., *et al.*, 72
Cohn, M. L., and Corper, H. J. Diasone treatment, 40
Collapse, Lobar and segmental, of lung, 89
—— of right middle lobe, 90
——, pulmonary, Experimental, 92
——, ——, Postoperative, 93
——, Segmental, of lung, 90
—— therapy, Indications for, 140

Complications of pneumothorax, 143
—— —— thoracoplasty, 146
——, Pulmonary, in burns, 94
Comstock, G. W. See Kramer, M., *et al.*, 5
Congenital tuberculosis, 149
Congo red, Anaphylactic reactions to, 130
—— —— test, 171
Conjunctiva, Primary tuberculosis of, 151
Control division, Tuberculosis, 2
——, tuberculosis, in Minneapolis, Principles of, 131
Cook, E., Greene, L., and Hinshaw, H. Streptomycin in urinary tract tuberculosis, 53
Cor pulmonale, 127
Corper, H. J. Immunology of tuberculosis, 65
——, ——. ——., and Cohn, M. L. Diasone treatment, 40
——, ——. ——., —— Stoner, R. E. Culture of tubercle bacilli, 160
——, ——. ——., —— ——, ——. ——. Diagnostic culture of tubercle bacilli, 160
Corre, L. Local reactions to BCG, 163
Cory, R. A. S. Oxidized gauze in thoracoplasties, 148
Courcoux, A., Boulenger, P., and Maclouf, A.-C. BCG vaccination, 163
Couve, Ph. Tuberculosis among prisoners of war, 11
Croxatto, O. C. See Acevedo, R. C., *et al.*, 108
Croxatto, R. See Ortuzar, R., *et al.*, 81
Cruzat, M. See Ortuzar, R., *et al.*, 81
Culture, Diagnostic, of tubercle bacilli, 160
—— medium for tubercle bacillus, 55
—— of tubercle bacilli, 160
Cultured "leprosy bacilli," Disparity between Hansen's bacilli and, 157
Culver, G. J. Pulmonary Hodgkin's disease, 110
Cummins, S. L. Tubercle bacilli and urea, 59
Cure of early bronchiectasis by pneumothorax, 180
Cyst, Hydatid, 84, 85
——, ——, Insufflated, 28
—— of diaphragm, 121
Cystic disease, 100
Cytotoxicity of streptomycin and streptothricin, 168

D'Alonso, C. A. See Kinsman, J. M., *et al.*, 72
Daniels, W. B. See Kinsman, J. M., *et al.*, 72
Danzer, J. T. X-ray peculiarities in mental deficiency, 21
D'Arcy Hart, P., and Garland, T. O. Tuberculosis control in Newfoundland, 131
Dathe, R. A., and Nathan, D. A. Pericarditis following upper respiratory infection, 128
Davidson, C. S., and Levenson, S. M. Pulmonary complications in burns, 94
——, ——. ——. See Finland, M., *et al.*, 94
Davis, B. D., and Dubos, R. J. Growth of tubercle bacilli in liquid media, 54
Daza, F. X-ray diagnosis in bronchiectasis, 113
De Abreu, M. Photoroentgenography in tuberculosis prophylaxis, 4
Deficiency, mental, X-ray peculiarities in, 21
Deflections, Ventricular, in tuberberculosis, 29
Delarue, J., and Besançon, F. Tuberculous necrosis, 162
Delaunay, A., Vendrely, R., and Pages, J. Chemistry of chronic lesions, 139
Dell, D., and Jerram. Tuberculin testing, 7
Delord, M. Epituberculosis, 136
DeNardi, J. M. See Van Ordstrand, H. S., *et al.*, 104
Denize, A. See Hochberg, L. A., *et al.*, 147
Denmark, BCG in, 62
——, Tuberculosis in, 1
de Oliveria, H. R., and Abbott, O. A. Pneumothorax following bronchoscopy, 116
de Paula, A. Tuberculosis in prostitutes, 133
de Saint-Rat, L., and Olivier, H. R. Action of *Bacillus subtilis*, 170
Deshmukh, P. L. Primary thoracoplasty, 146
Devin, Y. See D'Hour, H., *et al.*, 172
Dextrocardia, Bronchiectasis and, 113
D'Hour, H., Devin, Y., and Langevin, P. Anatomy of right upper lobe bronchus, 172
Diacoumopoulos, A. See Lemoine, J. M., *et al.*, 32
Diagnosis, Physical, 69
——, X-ray, in bronchiectasis, 113
Diagnostic culture of tubercle bacilli, 160
Diaphragm, Cyst of, 121
Diasone treatment, 40
Dick, W. P. Symptoms in pulmonary tuberculosis, 138
Discharged soldiers, Chest examinations in, 132
Disease, bronchial, Penicillin in, 112
——, Cystic, 100
——, Heart, 2
——, Hodgkin's, Pulmonary, 110
——, Hydatid, of pleura, 120
——, pulmonary, Penicillin inhalation in, 75
Diseases, Fungus, 81
Displacement of mediastinum, 122

Disseminated tuberculosis in children, 15
Dissociation of tubercle bacilli, 158
Distribution, Global, of tuberculosis, 2
Doig, A. T. Atelectatic bronchiectasis, 181
Donaldson, G. A. See Allen, A. W., *et al.*, 95
Dormer, B. A., Friedlander, J., and Wiles, F. J. Syphilis of lung, 80
Drainage, Intracavitary, 149
Draining bronchi, 26
—— ——, X-ray appearance of, 27
Drea, W. F. Alkylresorcinols on tubercle bacilli, 59
Dry pleurisy, 118
Dublin, L. I. Tuberculosis Association program, 131
Dubos, R. J. Fatty acids and bacterial growth, 157
——, ——. ——., and Davis, B. D. Growth of tubercle bacilli in liquid media, 54
Dufourt, A. Primary tuberculosis in adults, 135
——, ——., and Mounier-Kuhn, P. Chronic epituberculosis, 136
——, ——., Mounier-Kuhn, P., and Baron, J. Pulmonary and endobronchial tuberculosis, 137
Dumarest, F., and Mollard, H. Complications of pneumothorax, 143
Duncan, J. T. Fungus diseases, 81
Durant, T. M., Sokalchuk, A. J., Norris, C. M., and Brown, C. L. Influenza pneumonia, 73
Duration of pneumothorax, 142
Dust particle size, 103
Duszynski, Diana Olga, and Scatchard, G. N. Miniature chest films, 6
Dutrey, J., and Vaccarezza, R. F. Genetic factor in tuberculosis, 17
Dye, Spread of, in allergy, 65
Dyes, Pleural absorption of, 68
Dyspnea, cardiac, Respiration in, 176

Early bronchiectasis, Cure of, by pneumothorax, 180
Ebrill, D., and Elek, S. D. Tuberculous abscess following penicillin, 155
Echinococcus of pleura, 121
Edlin, J. S. See Bobrowitz, I. D., *et al.*, 112
Edwards, P. W., and Logan, J. Pneumoperitoneum, 35
Effusions, Pleural, 46
——, ——, Bilateral, 47
——, ——, Prognosis in, 47
——, ——, Radiology of, 47
Ehrenpreis, B., and McDonald, J. B. Primary atypical pneumonia, 74
Eichwald, M., and Singletary, W. V. Loeffler's syndrome, 78
Electrocardiogram in pneumonia, 73
—— —— pneumoperitoneum, 36
Elek, S. D., and Ebrill, D. Tuberculous abscess following penicillin, 155
Embolism, Pulmonary, 95
——, ——, Treatment of, 94
Embryonic tissue, Toxicity of subtilin to, 170
Emmart, W. T. See Smith, M. I., *et al.*, 167
Emphysema, 99
——, Bullous, 100
——, Mediastinal, 122
——, Surgical, 116
Employees, railroad, Fluoroscopy in, 132
Empyema, acute, Penicillin in, 119
—— in pneumothorax, 142
——, Nontuberculous, 118
——, Postpneumonic, 119
——, Putrid, 120
——, tuberculous, Treatment of, 48
Endemic pneumonia in albino rat, 73
Endobronchial tuberculosis, Pulmonary and, 137
Endotoxoid, Tubercle, 38
Eosinophilia, Tropical, 79, 80
Epidemic pleurodynia, 118
Epituberculosis, 136
——, Chronic, 136
Epstein, N. N. Tuberculosis of skin, 150
Erikson, J. Streptococcus pneumonia, 76
Ernberg, T., and Bergquist, S. Primary tuberculosis in adults, 16
Erythema nodosum, 128
Esophageal atresia and tracheo-esophageal fistula, 124
Even, R., and Lecoeur, J. Ballooned, inert and residual cavities, 141
——, ——., —— ——, ——. Fever after refills, 142
Examinations, Chest, in discharged soldiers, 132
Excretion of streptomycin, Absorption and, 168
Experiences, Clinical, with p-aminosalicylic acid, 169
Experimental chemotherapy, 40
—— Loeffler's syndrome, 80
—— pulmonary collapse, 92
—— tuberculosis, Hematology in, 66
Extrapleural pneumonolysis, 145
—— pneumothorax, 144, 145
—— —— and penicillin, 145
—— ——, Intrapleural and, 33

Exudative tuberculosis, Pathophysiology of, 22

False acid-fast bacilli, 158
Fatti, L., Florey, M. E., Joulès, H., Humphrey, J. H., and Sakula, J. Penicillin in acute empyema, 119
Fatty acids and bacterial growth, 157
—— material in bacteria and fungi, 157
Feeney, N. Pulmonary embolism, 95
Feinstone, W. H. Tuberculostatic substances, 165
Feldman, D. J., and Lewis, H. P. Pleural effusions, 46
Feldman, W. H. See Hinshaw, H. C., *et al.*, 166
Fernandes, H. P. Bilateral pleural effusions, 47
Fever after refills, 142
——, Premenstrual, in tuberculosis, 137
Films, chest, Miniature, 6
Findings, X-ray, Abnormal, in surveys, 133
Fine, A., and Steinhausen, T. B. Nondisabling bronchiectasis, 110
Fink, I. See Hochberg, L. A., *et al.*, 147
Finland, M., Ritvo, M., Davidson, C. S., and Levenson, S. M. Pulmonary lesions in burns, 94
Finlayson, Margaret K. Growth stimulation of tubercle bacilli, 160
Finnish sanatoria, 6
Fire-brick industry, Hazards in, 103
Fistula, Anal, 130
——, tracheo-esophageal, Esophageal fistula and, 124
Fitzpatrick, L. J., Major, and Adams, A. J., Captain. Nerve block in treatment of thoracic injuries, 126
Flagellate in bronchiectasis, 181
Flippin, H. E. See Zintel, H. A., *et al.*, 40
Florey, M. E. See Fatti, L., *et al.*, 119
Floyer, M. A., and May, H. B. Penicillin in bronchiectasis, 112
Fluids, body, Streptomycin in, 168
Fluoroscopic screens, 134
Fluoroscopy in railroad employees, 132
Foci, Round, 136
Foley, G. E. Submerged growth of tubercle bacilli, 159
Foreign bodies, 115
Fourestier, M. Photofluorographic survey, 133
Fox, T. T., Sokol, D. D., and Bernstein, I. J. Ventricular deflections in tuberculosis, 29
Frank, Grace, and Berczeller, A. False acid-fast bacilli, 158
Franke, R. E. See Lilienthal, J. L., *et al.*, 175
——, ——. ——. See Riley, R. L., *et al.*, 175
Freedlander, B. L. Experimental chemotherapy, 40
Friedlander, J. See Dormer, B. A., *et al.*, 80
Friedmann, I. Culture medium for tubercle bacillus, 55
Frisk, A. R. Bacteriostasis *in vitro*, 164
Fungi, Fatty material in bacteria and, 157
Fungus diseases, 81
Furcolow, M. L., High, H. H., and Allen, Margaret F. Histoplasmin reactors, 7
——, ——. ——. See High, R. H., *et al.*, 178

Gaisford, W. F. Tuberculosis in children, 14
Garland, T. O., and D'Arcy Hart, P. Tuberculosis in Newfoundland, 131
Gas pressure, Alveolar, 175
Gastric contents, Acid-fast organisms in, 43
—— ——, Tubercle bacilli in, 43
Gauze, Oxidized, in thoracoplasties, 148
Geiger, W. B., Green, S. R., and Waksman, S. A. Inactivation of streptomycin, 168
Geiser, P., Schaub, K., and Staub, H. Penicillin inhalation in pneumonia, 72
Generator, X-ray, 6
Genetic factor in tuberculosis, 17
Genito-urinary tuberculosis, 154, 155
Gerard, R. W. See Patt, H. M., *et al.*, 176
Gilmore, J. H., and Clark, D. Coccidioidin tests, 82
Gines, A. R., and Rebull Richieri, V. BCG, 62
Ginsburg, G. S. Primary tuberculosis in adults, 135
Giuntini, L. S. See Acevedo, R. C., *et al.*, 108
Global distribution of tuberculosis, 2
Glover, R. E. Preservation of tubercle bacilli, 159
——, ——. —— Tuberculosis in hamsters, 161
Godard, F. See Perdigon, E., *et al.*, 164
Gold, E. M., and Wright, D. O. Loeffler's syndrome, 78
Goldfarb, A. A., and Seltzer, I. Primary tuberculosis of conjunctiva, 151
Gomez, F. D., Negro, J. C., and Burgos, R. Phrenic nerve paralysis, 31
Gotta, G., and Noguera, O. F. Pleural calcifications, 49
Gould, D. M. Nontuberculous lesions in mass X-ray surveys, 69
——, ——. ——. Tuberculosis survey, 4

Graessle, O. E. See Stebbins, R. B., *et al.*, 168
Grandstaff, E. H. Postoperative pulmonary collapse, 93
Granulations, Toxic, in tuberculosis, 44
Granules of *M. tuberculosis*, 58
Graubner, E. Workmen's compensation for silicosis, 103
Green, S. R. See Geiger, W. B., *et al.*, 168
Greene, L. See Cook, E., *et al.*, 53
Grenville-Mathers, R. Premenstrual fever in tuberculosis, 137
Grez, A. Bronchoscopy in bronchiectasis, 114
Gross, R. E., and Scott, H. W., Jr. Esophageal atresia and tracheo-esophageal fistula, 124
Grove, P. R. Tuberculous osteoarthritis, 52
Growth, bacterial, Fatty acids and, 157
—— of tubercle bacilli in liquid media, 54
—— rate of tubercle bacilli, 56
—— stimulation of tubercle bacilli, 160
——, Submerged, of tubercle bacilli, 159
—— substances, Antagonistic, 164
Gutierez, V., and Cervia, T. Hepatitis and tuberculosis, 28
Gutman, S. Vole tubercle bacilli, 161

Habeeb, W. J. Silicosis, 102
Hadley, Susan J. See Bunn, P. A., *et al.*, 71
Halbert, P., Cohen, B., and Perkins, M. E. Pneumococcal hemolysin, 69
Hale, C. H., and Robbins, L. L. Collapse of right middle lobe, 90
——, ——. ——., —— ——, ——. ——. Lobar and segmental collapse of lung, 89
——, ——. ——., —— ——, ——. ——. Segmental collapse of lung, 90
Hall, S., and Pagel, W. Congenital tuberculosis, 149
Hamman, L. Mediastinal emphysema, 122
Hampton, S. F., Wine, M. B., Allen, W., Thompson, G. S., and Starr, M. P. Asthma, 107
Hamsters, Tuberculosis in, 161
Handler, N. J., and Spain, D. M. Cor pulmonale, 127
Hansen's bacilli and cultured "leprosy bacilli," Disparity between, 157
Hardy, Janet. B. Persistence of tuberculin sensitivity, 162
Harrell, G. T. See Travis, O. T., *et al.*, 67
Harrington, F. E. See Myers, J. A., *et al.*, 12
Harrison, T. R. Pain in chest, 124
Harvey, Elinor B., and Hogg, P. Pulmonary thrombosis, 97
Hått, F. Welding hazards, 104
Hawkins, S. F., and Thomas, G. O. Lower-lobe tuberculosis, 24
Hazards in fire-brick industry, 103
——, Welding, 104
Head, J. R. Intracavitary drainage, 149
Healy, M. J., and Katz, H. L. Nontuberculous empyema, 118
Heart disease, 2
Heidelberger, M., MacLeod, C. M., Kaiser, S. J., and Robinson, B. Antibodies to pneumococci and polysaccharides, 70
Heilman, Dorothy H. Cytotoxicity of streptomycin and streptothricin, 168
Heilman, F. R., Hinshaw, H. C., Nichols, D. R., and Herrell, W. E. Pharmacology of streptomycin, 41
Heller, R. J. Hemoptysis, 27
Hematology in experimental tuberculosis, 66
Hemodynamics in phosgene poisoning, 176
Hemolysin, Pneumococcal, 69
Hemolytic staphylococcus aureus bacteremia, Recovery from, 129
Hemoptysis, 27
—— and bronchoscopy, 182
——, Atelectasis after, 28
——, Pneumoperitoneum against, 36
Hennell, H. Cure of early bronchiectasis by pneumothorax, 180
Heparin and blood sedimentation, 44
Hepatitis and tuberculosis, 28
Herbut, P. A. Alveolar cell tumor, 107
——, ——. ——., and Kinsey, F. R. Experimental Loeffler's syndrome, 80
Herman, M., Levin, Florence C., and Thompson, S. E. Primary tuberculosis, 17
Herrell, W. E. See Heilman, F. R., *et al.*, 41
Heyer, H. E. Respiration in cardiac dyspnea, 176
Hiatt, J. S., Jr., and Martin, D. S. Moniliasis, 82
High, H. H. See Furcolow, M. L., *et al.*, 7
High, R. H. Calcifications in spleen, 178
——, ——. ——., and Zwerling, H. B. Pulmonary calcifications and age, 178
——, ——. ——., Zwerling, H. B., and Furcolow, M. L. Pulmonary calcifications, 178
Hilleboe, H. E. Abnormal X-ray findings in surveys, 133
——, ——. ——. Controversial points in anti-tuberculosis work, 131
——, ——. ——. Minimal tuberculosis, 19
Hilton, G. Cancer of bronchus, 108

Hinshaw, H. C., and Brown, H. A. Streptomycin toxicity, 42
——, ——. ——., Pfuetze, K. H., and Feldman, W. H. Streptomycin in tuberculosis, 166
——, ——. ——. See Cook, E., *et al.*, 53
——, ——. ——. See Heilman, F. R., *et al.*, 41
Hirshfeld, J. W., Buggs, C. W., Abbott, W. E., and Pilling, M. A. Nontuberculous empyema, 118
Histoplasmin reactors, 7
History of penicillin, 164
Hochberg, L. A., Fink, I., and Denize, A. Revision thoracoplasty, 147
Hodes, P. J., and Wood, F. C. Tropical eosinophilia, 79
Hodgkin's disease, Pulmonary, 110
Hoffman, R. See Brantigan, O. C., *et al.*, 37
Hogg, P., and Harvey, Elinor B. Pulmonary thrombosis, 97
Hollingworth, R. K. Intrathoracic sympathetic nerve tumors, 123
Holm, J. BCG in Denmark, 62
Holmes, J. Tuberculosis in Denmark, 1
Holt, Rebecca A., and Lynch, J. P. Pulmonary actinomycosis, 83
Honkanen, A. Finnish sanatoria, 6
Houston, C. S. Pulmonary ventilation and anoxemia, 174
Hughes, R. See Van Ordstrand, H. S., *et al.*, 104
Humphrey, J. H., and Joules, H. Penicillin inhalation in pulmonary disease, 75
——, ——. ——. See Fatti, L., *et al.*, 119
Hydatid cyst, 84, 85
—— ——, Insufflated, 28
—— disease of pleura, 120

Ignatowskaja, N. N., and Rabich-Shchebro, V. A. Phrenic nerve paralysis, 30
Illing, R. B. Tuberculosis in children, 13
Immunology of tuberculosis, 64, 65
Inactivation of streptomycin, 168
Incipient pulmonary tuberculosis, 19
Incision, New, in thoracoplasty, 147
Indians, BCG vaccination in, 63
Indications for collapse therapy, 140
Industrial plant, Resurvey of, 5
Industry, fire-brick, Hazards in, 103
Inert, Ballooned, and residual cavities, 141
Infarcts, Pulmonary, 96
Infection, Primary, 135
——, respiratory, upper, Pericarditis following, 128
Infections, pulmonary, chronic, Penicillin in, 77
——, respiratory, Upper, 179, 180
——, Typhoid and salmonella, 87
Infectiousness of closed cases, 12
Inflation, lung, Phrenic nerve response to, 176
Influenza pneumonia, 73
Inhalation, Penicillin, in pneumonia, 72
——, ——, in pulmonary disease, 75
Inhibition, Chemical, of bacilli, 165
Injuries, thoracic, treatment of, Nerve block in, 126
Innominate artery, Aneurysm of, 128
Inoculation tuberculosis, 150
Institutions, mental, Tuberculosis in, 6
Instrument tray for chest surgery, 146
Insufflated hydatid cyst, 28
Intracavitary drainage, 149
Intrapleural and extrapleural pneumothorax, 33
Intrathoracic sympathetic nerve tumors, 123

Jackman, R. J., and Buie, L. A. Anal fistula, 130
Jann, G. J., and Salle, A. J. Subtilin, 170
——, ——. ——., —— ——, ——. ——. Toxicity of subtilin to embryonic tissue, 170
Jarman, T. F., and Morris, G. J. Treatment of tuberculous empyema, 48
Jensen, C. R. Rhematic pneumonitis, 76
Jensen, K. A. BCG vaccination, 61
——, ——. ——., and Bindslev, J. Virulence of tubercle bacilli, 57
Jerram and Dell, D. Tuberculin testing, 7
Joly, H., and Carcopino, C. Results of thoracoplasty, 146
Jones, B. Surgical emphysema, 116
Josey, A. I., Trenis, J. W., and Kammer, W. F. Postpneumonic empyema, 119
Jouin, J.-P., and Buu-Hoi. Chemical inhibition of bacilli, 165
Joules, H., and Humphrey, J. H. Penicillin inhalation in pulmonary disease, 75
——, ——. See Fatti, L., *et al.*, 119
Juarez, R. G., and Oraindi, D. Prognosis in pleural effusions, 47
Juarrero, V. P., and Azparren, J. S. Toxic granulations in tuberculosis, 44

Kaiser, E. Tuberculous cervical lymph nodes, 51
Kaiser, S. J. See Heidelberger, M., *et al.*, 70
Kallos, P. Tuberculin allergy, 66
Kammer, W. F. See Josey, A. I., *et al.*, 119

Kane, L. W., and Brean, H. P. Pulmonary tuberculosis in medical students, 132
Kasius, R. V., and Pitney, Elizabeth H. Tuberculosis in major cities, 3
——, ——. ——., —— ——, ——. ——. Tuberculosis mortality in cities, 3
Katz, H. L., and Abel, H. A. Tuberculous meningitis, 45
——, ——. ——., —— Healy, M. J. Nontuberculous empyema, 118
Katz, H. W., and Russakoff, A. H. Bronchiectasis and dextrocardia, 113
Katz, J., Plunkett, R. E., and Thompson, Mary E. Tuberculosis in mental institutions, 6
Katz, S., and Reed, H. R. Radiology of pleural effusions, 47
Kay, E. B., and Meade, R. H., Jr. Penicillin in chronic pulmonary infections, 77
King, E. S. See Harrell, G. T., *et al.*, 67
Kinsey, F. R., and Herbut, P. A. Experimental Loeffler's syndrome, 80
Kinsman, J. M., Daniels, W. B., Cohen, S., McCracken, J. P., D'Alonso, C. A., Martin, S. P., and Kirby, W. M. M. Pneumonia, 72
Kirby, W. M. M. See Kinsman, J. M., *et al.*, 72
Klebsiella pneumoniae bacteremia, 129
Klosk, E., Bernstein, A., and Parsonnet, A. E. Cystic disease, 100
Knowlton, G. C., and Larrabee, M. G. Phrenic nerve response to lung inflation, 176
——, ——. ——., —— ——, ——. ——. Pulmonary volume receptors, 175
Kobacker, J. L., and Mehlin, G. B. Klebsiella pneumoniae bacteremia, 129
Koelsche, G. A. See Carryer, H. M., *et al.*, 105
Kornev, P. G. Surgery in bone tuberculosis, 154
Krafchik, L. F. Streptomycin in tuberculous meningitis, 167
Kramer, M., Comstock, G. W., and Stocklen, J. B. Resurvey of industrial plant, 5
Krause, G. R. Pulmonary infarcts, 96

Labesse, P. New method of spirometry, 173
Laird, R. Thoracoscopy, 32
Lambert, A. Partial claviculectomy, 148
Lander, F. P. L. Bronchiectasis and atelectasis, 181
Lange, K. Surgery for asthma, 106
——, ——. Treatment of pulmonary embolism, 94
Langer, L., and Silvestrini, H. Surgery for bronchiectasis, 114
Langevin, P. See D'Hour, H., *et al.*, 172
Larrabee, M. G., and Knowlton, G. C. Phrenic nerve response to lung inflation, 176
——, ——. ——., —— ——, ——. ——. Pulmonary volume receptors, 175
Laryngitis, tuberculous, Promin against, 51
Lasnier, E. P., and Cassinelli, J. F. Hydatid cyst, 84
Laymon, C. W., and Michelson, H. E. Classification of tuberculosis of skin, 151
Lecoeur, J., and Even, R. Ballooned, inert and residual cavities, 141
——, ——., —— ——, ——. Fever after refills, 142
Lehman, J. Metabolism of tubercle bacilli, 57
——, ——. Para-aminosalicyclic acid for tuberculosis, 39
——, ——. P-aminosolicyclic acid for tuberculosis, 169
Lehmann, G. O., and Prendiville, J. T. Flagellate in bronchiectasis, 181
Lemoine, J. M., Diacoumopoulos, A., and Paillas, J. Artificial pneumothorax, 32
"Leprosy bacilli," cultured, Disparity between Hansen's bacilli and, 157
Lerolle, M. See Biedermann, A., *et al.*, 132
Lesions, chronic, Chemistry of, 139
——, Nontuberculous, in mass X-ray surveys, 69
——, Pulmonary, in burns, 94
——, tuberculous, Tubercle bacilli in, 140
Leslie, Eleanor I. See Rosenthal, S. R., *et al.*, 163
Leslie, M. I. See Blahd, M., *et al.*, 12
Levenson, S. M., and Davidson, C. S. Pulmonary complications in burns, 94
——, ——. ——. See Finland, M., *et al.*, 94
Levin, Florence C. See Herman, M., *et al.*, 17
Lewis, H. P., and Feldman, D. J. Pleural effusions, 46
Lewis, I. Photofluorographic roll-film viewers, 6
——, ——., and Morgan, R. H. Stereoscopy, 133
Lewis-Jonsson, J. Tuberculosis from a cat, 45
Lieutier, H. See Cantonnet Blanch, P., *et al.*, 63

Lilienthal, J. L., Jr., Riley, R. L., Proemmel, D. D., and Franke, R. E. Alveolar and arterial oxygen pressure, 175
——, ——. ——., ——, See Riley, R. L., *et al.*, 175
Linton, R. L. See Allen, A. W., *et al.*, 95
Liquid media, Growth of tubercle bacilli in, 54
Lipiodol reaction, 113
Liver puncture in sarcoidosis, 86
——, Tuberculomata of, 152
Lobar and segmental collapse of lung, 89
Lobe, right middle, Collapse of, 90
Local reactions to BCG, 163
Loeffler's syndrome, 77, 78
—— ——, Experimental, 80
Logan, J., and Edwards, P. W. Pneumoperitoneum, 35
Lower-lobe tuberculosis, 24, 25
Lung abscess, 77
——, Agenesis of, 68
—— cancer, Biopsy of, 109
—— inflation, Phrenic nerve response to, 176
——, Lobar and segmental collapse of, 89
——, Neuromuscular system of, 87
——, Segmental collapse of, 90
——, Syphilis of, 80, 81
—— tumors, Primary, 107
——, wet, Traumatic, 98
Lymph node tuberculosis, 152
—— nodes, cervical, Tuberculous, 51
—— ——, tracheobronchial, tuberculous, Perforating, 49
—— ——, Tuberculous, 50
Lymphoma, Malignant, 108
Lynch, J. P., and Holt, Rebecca A. Pulmonary actinomycosis, 83
——, ——. ——., —— Strieder, J. W. Putrid empyema, 120

MacLeod, C. M. See Heidelberger, M., *et al.*, 70
Maclouf, A.-C., and Boulenger, P. Accelerated sensitization, 163
——, ——. ——. See Courcoux, A., *et al.*, 163
Magnin, M. F. Pneumoperitoneum with phrenic paralysis, 142
Mahon, G. S. Lipiodol reaction, 113
Major cities, Tuberculosis in, 3
Malignant lymphoma, 108
Mamma, Tuberculosis of, 53
Man, Avian tuberculosis in, 29
Manas, M. A. Acute silicosis, 102
Marital tuberculosis, 11
Marshak, A. Antibiotic from *Ramalina reticulata*, 165
Martin, D. S., and Hiatt, J. S., Jr. Moniliasis, 82
Martin, S. P. See Kinsman, J. M., *et al.*, 72
Mason, J. L. See Smith, C. R., *et al.*, 61
Mass X-ray surveys, Nontuberculous lesions in, 69
Material, Fatty, in bacteria and fungi, 157
May, H. B., and Floyer, M. A. Penicillin in bronchiectasis, 112
Maytum, C. K. See Carryer, H. M., *et al.*, 105
Mazaudier, M. T. See Perdigon, E., *et al.*, 164
Mazo, D. Ulcero-atelectatic syndrome, 23
McClosky, W. T. See Smith, M. I., *et al.*, 167
McCormick, W. E. Dust particle size, 103
McCracken, J. P. See Kinsman, J. M., *et al.*, 72
McDermott, W. See Bunn, P. A., *et al.*, 71
McDonald, J. B., and Ehrenpreis, B. Primary atypical pneumonia, 74
McDonald, J. R. See Moersch, H. J., *et al.*, 109
Meade, R. H., Jr., and Kay, E. B. Penicillin in chronic pulmonary infections, 77
Medeiros Q., S. Silicosis, 100
Media, liquid, Growth of tubercle bacilli in, 54
Mediastinal abscess, Anterior, 124
—— emphysema, 122
—— teratoma, 123
—— tumors removed by surgery, 123
Mediastinum, Displacement of, 122
Medical students, Pulmonary tuberculosis in, 132
—— ——, Tuberculosis in, 8, 9
Medici, F. A., and Sampietro, R. Pneumonolysis in bilateral pneumothorax, 33
——, ——. ——. See Vaccarezza, R. F., *et al.*, 120
Medium, Culture, for tubercle bacillus, 55
Mehlin, G. B., and Kobacker, J. L. Klebsiella pneumoniae bacteremia, 129
Melick, D. W., and Spooner, Maryloo. Blood coagulation in pleural cavity, 117
Membranes, serous, Tuberculosis of, 49
Meningitis, Tuberculous, 45
——, ——, Streptomycin in, 167
Menon, I. G. K. Tropical eosinophilia, 80
Mental deficiency, X-ray peculiarities in, 21
—— institutions, Tuberculosis in, 6
Merrill, A. J., Warren, J. A., Stead, E. A., Jr., and Brannon, E. S. Circulation in penetrating chest wounds, 126
Mery, J. See Biedermann, A., *et al.*, 132

Metabolism of tubercle bacilli, 57, 156
Method of spirometry, New, 173
Meyer, J. Tubercle endotoxoid, 38
Michailov, F. A. Artificial pneumothorax, 31
Michelson, H. E., and Laymon, C. W. Classification of tuberculosis of skin, 151
Microörganisms, acid-fast, Atypical, 56
Miliary tuberculosis, 44
Miniature chest films, 6
Minimal tuberculosis, 19
Minneapolis, Principles of tuberculosis control in, 131
Minor, G. R., and White, M. L., Jr. Typhoid and salmonella infections, 87
Model, L. M. Pathophysiology of exudative tuberculosis, 22
Moersch, H. J., Tinney, W. S., and McDonald, J. R. Adenoma of bronchus, 109
Mollard, H., and Dumarest, H. Complications of pneumothorax, 143
Moniliasis, 82
Monod, R., and Cara, M. Pulmonary permeability, 176
Morgan, B. H., and Murphy, E. G. X-ray generator, 6
Morgan, R. H., and Lewis, I. Stereoscopy, 133
Moriyama, I. M., and Yerushalmy, J. Tuberculosis mortality, U. S. A. 1944, 3
Morris, G. J., and Jarman, T. F. Treatment of tuberculous empyema, 48
Mortality, Tuberculosis, in cities, 3
——, ——, —— nonwhites, 3
——, ——, U. S. A. 1944, 3
Morton, D. R., and Scott, O. B. Cyst of diaphragm, 121
Mosera, R., and Norman, J. Atelectasis after hemoptysis, 28
Mounier-Kuhn, P., and Dufourt, P. Chronic epituberculosis, 136
——, ——., Ollagnier, C., and Persillos, A. Hemoptysis and bronchoscopy, 182
——, ——. See Dufourt, A., *et al.*, 137
Munter, E. J. Pneumonic plague, 77
Murphy, E. G., and Morgan, B. H. X-ray generator, 6
M. tuberculosis, Granules of, 58
Mycolic acid, 58
Mycosis, Pulmonary, 81
Myers, J. A. Principles of tuberculosis control in Minneapolis, 131
——, ——. ——., Harrington, F. E., and Suarez, E. G. Tuberculosis in children, 12

Nasal septum, Tuberculosis of, 51
Nassau, E., and Roberts, J. C. Disseminated tuberculosis in children, 15
Nathan, D. A., and Dathe, R. A. Pericarditis following upper respiratory infection, 128
Navarro, L. G., and Roca, A. C. Pleural absorption of dyes, 68
Necrosis, Tuberculous, 162
Negative tuberculin reaction in active tuberculosis, 23
Negro, J. C. See Gomez, F. D., *et al.*, 31
Nelson, J. B. Endemic pneumonia in albino rat, 73
Nerve block in treatment of thoracic injuries, 126
——, Phrenic, paralysis, 30, 31
——, ——, response to lung inflation, 176
——, sympathetic, Intrathoracic, tumors, 123
Neuromuscular system of lung, 87
Newfoundland, Tuberculosis in, 131
Nichamin, S. J. Epidemic pleurodynia, 118
Nichols, A. C. See Zintel, H. A., *et al.*, 40
Nichols, D. R. See Heilman, F. R., *et al.*, 41
Nico, P., and Troisier, J. Tuberculosis in medical students, 9
Nielsen, G. Heparin and blood sedimentation, 44
Noguera, O. F., and Gotta, G. Pleural calcifications, 49
Nondisabling bronchiectasis, 110
Nontuberculous empyema, 118
—— lesions in mass X-ray surveys, 69
Nonwhites, Tuberculosis mortality in, 3
Norman, J., and Mosera, R. Atelectasis after hemoptysis, 28
Norris, C. M. See Durant, T. M., *et al.*, 73

Oleneva, T. N. Round foci, 136
Olivier, H.-R., and de Saint-Rat, L. Action of *Bacillus subtilis*, 170
Ollagnier, C. See Mounier-Kuhn, P., *et al.*, 182
Open pneumonolysis, 143
Operations, chest, Support for patients during, 146
Oraindi, D., and Juarez, R. G. Prognosis in pleural effusions, 47
Organisms, Acid-fast, in gastric contents, 43
Ortuzar, R., Croxatto, R., and Cruzat, M. Pulmonary mycosis, 81
Osipov, I. N., and Soboleva, A. S. Tuberculous lymph nodes, 50
Osteoarthritis, Tuberculous, 52
Oxidized gauze in thoracoplasties, 148
Oxygen pressure, Alveolar and arterial, 175

Pacific, Southwest, Asthma in, 105
Packard, E. N. Miliary tuberculosis, 44
Pagel, W., and Hall, S. Congenital tuberculosis, 149
Pages, J. See Delaunay, A., *et al.*, 139
Paillas, J., and Bariéty, M. Perforation of tension cavity, 136
——, ——., —— ——, ——. Tubercle bacilli in bronchoscopic aspirations, 159
——, ——., —— ——, ——. X-ray appearance of draining bronchi, 27
——, ——. See Lemoine, J. M., *et al.*, 32
Paillas, P. See Biedermann, A., *et al.*, 132
Pain in chest, 124
Palmer, C. E. Histoplasmin reactors, 7
——, ——. ——., and Aronson, J. D. BCG vaccination in Indians, 63
——, ——. ——., —— Zwerling, H. B. Pulmonary calcifications, 177
P-aminosalicylic acid against various bacteria, 169
—— ——, Clinical experiences with, 169
—— —— for tuberculosis, 169
Para-aminosalicylic acid for tuberculosis, 39
Paralysis, Phrenic, 141
——, —— nerve, 30, 31
——, ——, Pneumoperitoneum with, 142
Parfenova, J. P. Bone tuberculosis, 152
Parique and Tulou. Marital tuberculosis, 11
Parsonnet, A. E. See Klosk., *et al.*, 100
Partial claviculectomy, 148
Particle size, Dust, 103
Patalano, A., and Soubrie, A. J. Congo red test, 171
Patch tests, Tuberculin, 7
Pathophysiology of exudative tuberculosis, 22
Patients during chest operations, Support for, 146
——, tuberculosis, Rehabilitation of, 30
Patt, H. M., Tobias, J. M., Swift, M. N., Postel, S., and Gerard, R. W. Hemodynamics in phosgene poisoning, 176
Peck, W. M. Bed-rest, 29
Peculiarities, X-ray, in mental deficiency, 21
Penetrating chest wounds, Circulation in, 126
Penicillin, Extrapleural pneumothorax and, 145
——, History of, 164
—— in acute empyema, 119
—— —— bronchial disease, 112
—— —— bronchiectasis, 112
—— —— chronic pulmonary infections, 77
—— —— pulmonary resections, 39
—— inhalation in pneumonia, 72
—— —— —— pulmonary disease, 75
——, Tuberculous abscess following, 155
Perdigon, E., Bouquet, F., Mazaudier, M. T., and Godard, F. Antagonistic growth substances, 164
Perforating tuberculous tracheobronchial lymph nodes, 49
Perforation of tension cavity, 136
Pericarditis following upper respiratory infection, 128
Perkins, M. E. See Halbert, P., *et al.*, 69
Permeability, Pulmonary, 176
Pernicious anemia and tuberculosis, 139
Peroncini, J. See Bence, A., *et al.*, 109
Persillos, A. See Mounier-Kuhn, P., *et al.*, 182
Peters, J. T. History of penicillin, 164
Petrik, F. G. Atypical acid-fast microörganisms, 56
Pfuetze, K. H. See Hinshaw, H. C., *et al.*, 166
Pharmacology of streptomycin, 40, 41
Phillips, Eileen, and Stewart, C. A. Pulmonary rarefaction, 98
Phosgene poisoning, Hemodynamics in, 176
Photofluorographic roll-film viewers, 6
—— survey, 133
Photoroentgenography in tuberculosis prophylaxis, 4
Phrenic nerve paralysis, 30, 31
—— —— response to lung inflation, 176
—— paralysis, 141
—— ——, Pneumoperitoneum with, 142
Physical diagnosis, 69
Piaggio, A. A., and Purriel, P. Incipient pulmonary tuberculosis, 19
Piaggio Blanco, R. A., and Canabal, E. J. Insufflated hydatid cyst, 28
Pilcher, R. Bronchiectasis, 114
Pilling, M. A. See Hirshfeld, J. W., *et al.*, 118
Pitney, Elizabeth H., and Kasius, R. V. Tuberculosis in major cities, 3
——, ——. ——., —— ——, ——. ——. Tuberculosis mortality in cities, 3
Pittaluga, R. E. M. Syphilis of lung, 81
Pitts, R. F. Respiratory centre, 173
Plague, Pneumonic, 77
Pleura, Echinococcus of, 121
——, Hydatid disease of, 120
Pleural absorption of dyes, 68
—— calcifications, 49
—— cavity, Blood coagulation in, 117
—— effusions, 46
—— ——, Bilateral, 47
—— ——, Prognosis in, 47
—— ——, Radiology of, 47
Pleurisy, Dry, 118
Pleurodynia, Epidemic, 118
Plombage, 36

Plum, P., and Poulsen, J. E. Blood prothrombin in tuberculosis, 25
Plunkett, R. E. See Katz, J., *et al.*, 6
Pneumococcal hemolysin, 69
Pneumococci and polysaccharides, Antibodies to, 70
——, Antibodies against, 71
Pneumonia, 71, 72
——, atypical, Primary, 74
——, Electrocardiogram in, 73
——, Endemic, in albino rat, 73
—— in aged, 72
——, Influenza, 73
——, Penicillin inhalation in, 72
——, Streptococcus, 76
Pneumonic plague, 77
Pneumonitis, Rheumatic, 76
Pneumonolysis, Extrapleural, 145
—— in bilateral pneumothorax, 33
——, Open, 143
Pneumoperitoneum, 34, 35
—— against hemoptysis, 36
——, Electrocardiogram in, 36
—— with phrenic paralysis, 142
Pneumothorax, Artificial, 31, 32
——, bilateral, Pneumonolysis in, 33
——, Complications of, 143
——, Cure of early bronchiectasis by, 180
——, Duration of, 142
——, Empyema in, 142
——, Extrapleural, 144, 145
——, ——, and penicillin, 145
—— following bronchoscopy, 116
——, Intrapleural and extrapleural, 33
Poisoning, Beryllium, 104
——, phosgene, Hemodynamics in, 176
Pollitzer, G. See Vaccarezza, R. F., *et al.*, 120
Polysaccharides, Antibodies to pneumococci and, 70
Poppe, J. K. Treatment of pulmonary actinomycosis, 182
Postel, S. See Patt, H. M., *et al.*, 176
Postoperative pulmonary collapse, 93
Postpneumonic empyema, 119
Postpneumothorax bronchospirometry, 34
Poulsen, J. E., and Plum, P. Blood prothrombin in tuberculosis, 25
Pregnancy, Tuberculosis and, 22
Premenstrual asthma, 107
—— fever in tuberculosis, 137
Prendiville, J. T., and Lehmann, G. O. Flagellate in bronchiectasis, 181
Preservation of tubercle bacilli, 159
Pressure, gas, Alveolar, 175
——, oxygen, Alveolar and arterial, 175
Price, A. H., and Teplick, G. Bullous emphysema, 100
Prickman, L. E. See Carryer, H. M., *et al.*, 105
Primary atypical pneumonia, 74
—— infection, 135
—— lung tumors, 107
—— thoracoplasty, 146
—— tuberculosis, 15, 17
—— —— in adults, 16, 134, 135
—— —— of conjunctiva, 151
—— ——, Treatment of, 15
Prisoners of war, Tuberculosis among, 10, 11
Proemmel, D. D. See Lilienthal, J. L., Jr., *et al.*, 175
——, ——. ——. See Riley, R. L., *et al.*, 175
Prognosis in pleural effusions, 47
Program, Tuberculosis Association, 131
Promin against tuberculous laryngitis, 51
—— in rat tuberculosis, Streptomycin and, 167
Prophylaxis, tuberculosis, Photoroentgenography in, 4
Prostitutes, Tuberculosis in, 133
Prothrombin, Blood, in tuberculosis, 25
Pulmonary actinomycosis, 83
—— ——, Treatment of, 182
—— adenomatosis, 108
—— and endobronchial tuberculosis, 137
—— calcifications, 177, 178
—— —— and age, 178
—— collapse, Experimental, 92
—— ——, Postoperative, 93
—— complications in burns, 94
—— disease, Penicillin inhalation in, 75
—— embolism, 95
—— ——, Treatment of, 94
—— Hodgkin's disease, 110
—— infarcts, 96
—— infections, chronic, Penicillin in, 77
—— lesions in burns, 94
—— mycosis, 81
—— permeability, 176
—— rarefaction, 98
—— resection in tuberculosis, 38
—— resections, Penicillin in, 39
—— segments, 88
—— thrombosis, 97
—— tuberculosis in medical students, 132
—— ——, Incipient, 19
—— ——, Symptoms in, 138
—— ventilation and anoxemia, 174
—— volume receptors, 175

Puncture, Liver, in sarcoidosis, 86
Purriel, P., and Piaggio, A. A. Incipient pulmonary tuberculosis, 19
Putrid empyema, 120

Quist, G. Chest wounds, 126

Rabich-Shchebro, V. A., and Ignatowskaja, N. N. Phrenic nerve paralysis, 30
Radiology of pleural effusions, 47
Raffel, S. Immunology of tuberculosis, 64
Railroad employees, Fluoroscopy in, 132
Ramalina reticulata, Antibiotic from, 165
Rarefaction, Pulmonary, 98
Rat, albino, Endemic pneumonia in, 73
—— tuberculosis, Streptomycin and promin in, 167
Reaction, Lipiodol, 113
——, tuberculin, Negative, in active tuberculosis, 23
Reactions, Anaphylactic, to Congo red, 130
——, Local, to BCG, 163
Reactivity, tuberculin, Cellular transfer of, 162
Reactors, Histoplasmin, 7
Rebora, F. Phrenic paralysis, 141
Rebull Richieri, V., and Gines, A. R. BCG, 62
Receptors, Pulmonary volume, 175
Recovery from hemolytic staphylococcus aureus bacteremia, 129
Reed, H. R., and Katz, S. Radiology of pleural effusions, 47
Refills, Fever after, 142
Rehabilitation of tuberculosis patients, 30
Reid, H. Extrapleural pneumothorax, 144
Relaxing thoracoplasty, 37
Renal tuberculosis, 52
Resection, Pulmonary, in tuberculosis, 38
Resections, pulmonary, Penicillin in, 39
Residual cavities, Ballooned, inert and, 141
Respiration in cardiac dyspnea, 176
—— of tubercle bacilli, 156
Respiratory air-flow, 173
—— centre, 173
—— infection, upper, Pericarditis following, 128
—— infections, Upper, 179, 180
Results of thoracoplasty, 146
Resurvey of industrial plant, 5
Revision thoracoplasty, 147
Rey, J. See Vaccarezza, R. F., *et al.*, 145
Rey, J. C. See Bence, A., *et al.*, 109
Rheumatic pneumonitis, 76
Rheumatism, Tuberculous, 46
Rhoads, J. E. See Zintel, H. A., *et al.*, 40
Richards, W. F. Tuberculosis in children, 13
Right middle lobe, Collapse of, 90
—— upper lobe bronchus, Anatomy of, 172
Riley, R. L., Lilienthal, J. L., Jr., Proemmel, D. D., and Franke, R. E. Alveolar gas pressure, 175
——, ——. ——. See Lilienthal, J. L., Jr., *et al.*, 175
Rist, M. E. Tuberculosis in medical students, 8
Ritter, W. L., and Bovard, P. G. Hazards in fire-brick industry, 104
Ritvo, M. See Finland, M., *et al.*, 94
Robbins, L. L., and Hale, C. H. Collapse of right middle lobe, 90
——, ——. ——., —— ——, ——. ——. Lobar and segmental collapse of lung, 89
——, ——. ——., —— ——, ——. ——. Segmental collapse of lung, 90
Roberts, J. C., and Nassau, E. Disseminated tuberculosis in children, 15
Robin, I. G. Promin against tuberculous laryngitis, 51
Robinson, B. See Heidelberger, M., *et al.*, 70
Robinson, H. J., and Stebbins, R. B. Streptomycin in body fluids, 168
——, ——. ——. See Stebbins, R. B., *et al.*, 168
Roca, A. C., and Navarro, L. G. Pleural absorption of dyes, 68
Rodriguez Folgueras, J. M., and Toulet, I. P. Premenstrual asthma, 107
Rolland, J. Complications of thoracoplasty, 146
Roll-film viewers, Photofluorographic, 6
Rosenthal, S. R., Blahd, Margery, and Leslie, Eleanor I. BCG vaccination, 163
——, ——. ——. See Blahd, M., *et al.*, 12
Round foci, 136
Russakoff, A. H., and Katz, H. W. Bronchiectasis and dextrocardia, 113
Rutstein, D. D. See Thomson, K. J., *et al.*, 73

Sakula, J. See Fatti, L., *et al.*, 119
Salle, A. J., and Jann, G. J. Subtilin, 170
——, ——. ——., —— ——, ——. ——. Toxicity of subtilin to embryonic tissue, 170
Salmonella infections, Typhoid and, 87
Sampietro, R. Pulmonary resection in tuberculosis, 38
——, ——., and Medici, F. A. Pneumonolysis in bilateral pneumothorax, 33
Samson, P. C. Thoracic wounds, 125
——, ——. ——., Major. See Buford, T. H., Major, *et al.*, 129

Sanatoria, Finnish, 6
Sanjuan Nadal, H. Granules of *M. tuberculosis*, 58
Sarcoidosis, Boeck's, 86
——, Liver puncture in, 86
Scadding, J. G. Dry pleurisy, 118
Scandoglio, J. J. Perforating tuberculous tracheobronchial lymph nodes, 49
Scandroglio, I. I. Tuberculosis of mamma, 53
Scatchard, G. N., and Duszynski, Diana Olga. Miniature chest films, 6
Schaub, K. See Geiser, P., *et al.*, 72
Schenkein, E. L. See Walter, A. M., *et al.*, 71
Schjelderup, H., and Birkhaug, K. Hematology in experimental tuberculosis, 66
Schleicher, E. M. Pernicious anemia and tuberculosis, 139
Schlittler, E. Tuberculosis of tonsils, 152
Schlumberger, H. G. Mediastinal teratoma, 123
Schmidt, E. A. Pneumoperitoneum, 34
Schuman, C. Breath sounds, 43
Sciuto, J. A. Emphysema, 99
Scott, H. W., Jr., and Gross, R. E. Esophageal atresia and tracheo-esophageal fistula, 124
Scott, O. B., and Morton, D. R. Cyst of diaphragm, 121
Screens, Fluoroscopic, 134
Sedimentation, blood, Heparin and, 44
Segmental collapse of lung, 90
—— —— —— ——, Lobar and, 89
Segments, Pulmonary, 88
Selikoff, I. J. Congo red test, 171
——, ——. ——., and Bernstein, I. J. Anaphylactic reactions to Congo red, 130
Seltzer, I., and Goldfarb, A. A. Primary tuberculosis of conjunctiva, 151
Sensitivity, tuberculin, Persistence of, 162
Sensitization, Accelerated, 163
Septum, nasal, Tuberculosis of, 51
Serous membranes, Tuberculosis of, 49
Sheldon, W. Tuberculous rheumatism, 46
Sierra, R. P. Thoracopneumonolysis, 37
Sievers, O. P-aminosalicylic acid against various bacteria, 169
Silicosis, 100, 102
——, Acute, 102
——, Workmen's compensation for, 103
Silverman, L. Respiratory air-flow, 173
Silvestrini, H., and Langer, L. Surgery for bronchiectasis, 114
Simmonds, F. A. H. Pneumoperitoneum, 34
Singletary, W. V., and Eichwald, M. Loeffler's syndrome, 78
Skin, Tuberculosis of, 150
——, —— ——, Classification of, 151
Smart, J. Agenesis of lung, 68
Smith, C. R., Urabec, J. H., and Mason, J. L. Air-borne tubercle bacilli, 61
Smith, M. I., McClosky, W. T., and Emmart, W. T. Streptomycin and promin in rat tuberculosis, 167
Smyth, C. J., and Billingslea, T. H. Lung abscess, 77
Soboleva, A. S., and Osipov, I. N. Tuberculous lymph nodes, 50
Sokalchuk, A. J. See Durant, T. M., *et al.*, 73
Sokol, D. D. See Fox, T. T., *et al.*, 29
Soldiers, discharged, Chest examinations in, 132
Solem, J. Negative tuberculin reaction in active tuberculosis, 23
Soltya, N. A., and Alexander, A. E. Surface-active substances and tubercle bacilli, 159
Soubrie, A. J., and Patalano, A. Congo red test, 171
Soukup, E. Foreign bodies, 115
Soulas, A. Bronchoscopic treatment, 139
Southwell, N. Penicillin in bronchial disease, 112
Southwest Pacific, Asthma in, 105
Spain, D. M., and Handler, B. J. Cor pulmonale, 127
Spector, H. I. Loeffler's syndrome, 77
Spickers, W. Support for patients during chest operations, 146
Spirometry, New method of, 173
Spleen, Calcifications in, 178
Spooner, Maryloo, and Melick, D. W. Blood coagulation in pleural cavity, 117
Sporer, A. Renal tuberculosis, 52
Spread of dye in allergy, 65
Sprick, Marian G., and Towey, J. W. Tubercle bacilli in gastric contents, 43
Sputum, Demonstration of tubercle bacilli in, 43
Stalker, W. W. Hazards in fire-brick industry, 103
Ställberg-Stenhagen, S., and Stenhagen, F. Mycolic acid, 58
Staphylococcus aureus bacteremia, hemolytic, Recovery from, 129
Starr, M. P. See Hampton, S. F., *et al.*, 107
Staub, H. See Geiser, P., *et al.*, 72
Stead, E. A., Jr. See Merrill, A. J., *et al.*, 126

Stebbins, R. B., and Robinson, H. J. Streptomycin in body fluids, 168
—, —. —., Graessle, O. E., and Robinson, H. J. Absorption and excretion of streptomycin, 168
Steen, P. Lower-lobe tuberculosis, 25
Steinhausen, T. B., and Fine, A. Nondisabling bronchiectasis, 110
Stenhagen, F., and Ställberg-Stenhagen, S. Mycolic acid, 58
Stereoscopy, 133
Stewart, C. A. Tuberculosis survey, 5
—, —. —., and Phillips, Eileen. Pulmonary rarefaction, 98
Stimulation, Growth, of tubercle bacilli, 160
Stocklen, J. B. See Kramer, M., *et al.*, 5
Stone, C. T. Boeck's sarcoidosis, 86
Stoner, R. E., and Corper, H. J. Culture of tubercle bacilli, 160
—, —. —., — —, —. —. Diagnostic culture of tubercle bacilli, 160
Strains of tubercle bacilli, Streptomycin resistant, 168
Streptococcus pneumonia, 76
Streptomycin, Absorption and excretion of, 168
— and promin in rat tuberculosis, 167
— — streptothricin, Cytotoxicity of, 168
— in body fluids, 168
— — tuberculosis, 166
— — tuberculous meningitis, 167
— — urinary tract tuberculosis, 53
—, Inactivation of, 168
—, Pharmacology of, 40, 41
— resistant strains of tubercle bacilli, 168
— toxicity, 42
Streptothricin, Cytotoxicity of streptomycin and, 168
Strieder, J. W., and Lynch, J. P. Putrid empyema, 120
Students, medical, Pulmonary tuberculosis in, 132
—, —, Tuberculosis in, 8, 9
Suarez, E. G. See Myers, J. A., *et al.*, 12
Suarez, H. See Ugon, V. A., *et al.*, 121
Submerged growth of tubercle bacilli, 159
Subtilin, 170
—, Toxicity of, to embryonic tissue, 170
Support for patients during chest operations, 146
Surface-active substances and tubercle bacilli, 159
Surgery, chest, Instrument tray for, 146
— for asthma, 106
— — bronchiectasis, 114
Surgery in bone tuberculosis, 153
—, Mediastinal tumors removed by, 123
Surgical emphysema, 116
Survey, Photofluorographic, 133
—, Tuberculosis, 4, 5
Surveys, Abnormal X-ray findings in, 138
—, X-ray, mass, Nontuberculous lesions in, 69
Suter, F. Renal tuberculosis, 52
Sutliff, W. D. See Walter, A. M., *et al.*, 71
Swift, M. N. See Patt, H. M., *et al.*, 176
Swine, Tuberculosis in, 170
Sympathetic nerve tumors, Intrathoracic, 123
Symptoms in pulmonary tuberculosis, 138
— — tuberculosis, 20
Syndrome, Loeffler's, 77, 78
—, —, Experimental, 80
—, Ulcero-atelectatic, 23
Syphilis of lung, 80, 81

Tension cavity, Perforation of, 136
Teplick, G., and Price, A. H. Bullous emphysema, 100
Teratoma, Mediastinal, 123
Test, Congo red, 171
Testing, Tuberculin, 7
Tests, Coccidioidin, 82
—, patch, Tuberculin, 7
Therapy, collapse, Indications for, 140
Thomas, D., and Barrett, M. R. Hydatid cyst, 85
Thomas, G. O., and Hawkins, S. F. Lower-lobe tuberculosis, 24
Thompson, G. S. See Hampton, S. F., *et al.*, 107
Thompson, Mary E. See Katz, J., *et al.*, 6
Thompson, S. E. See Herman, M., *et al.*, 17
Thomson, K. J., Rutstein, D. D., Tolmach, D. M., and Walker, W. H. Electrocardiogram in pneumonia, 73
Thoracic injuries, Nerve block in treatment of, 126
— wounds, 125
Thoracoplasties, Oxidized gauze in, 148
Thoracoplasty, Complications of, 146
— New incision for, 147
—, Primary, 146
—, Relaxing, 37
—, Results of, 146
—, Revision, 147
Thoracopneumonolysis, 37
Thoracoscopy, 32
Thrombosis, Pulmonary, 97
Tinney, W. S. See Moersch, H. J., *et al.*, 109

Tissue, embryonic, Toxicity of subtilin to, 170
Tobias, J. M. See Patt, H. M., *et al.*, 176
Tolmach, D. M. See Thomson, K. J., *et al.*, 73
Tonsils, Tuberculosis of, 152
Toulet, I. P., and Rodriguez Folgueras, J. M. Premenstrual asthma, 107
Towey, J. W., and Sprick, Marian G. Tubercle bacilli in gastric contents, 43
Toxic granulations in tuberculosis, 44
Toxicity of subtilin to embryonic tissue, 170
——, Streptomycin, 42
Tracheobronchial lymph nodes, tuberculous, Perforating, 49
Tracheo-esophageal fistula, Esophageal atresia and, 124
Transfer, Cellular, of tuberculin reactivity, 162
Traumatic wet lung, 98
Travis, O. T., Harrell, G. T., and King, E. S. Tuberculosis and trichinella, 67
Tray, Instrument, for chest surgery, 146
Treatment, Bronchoscopic, 139
——, Diasone, 40
—— of bronchiectasis, 111
—— —— primary tuberculosis, 15
—— —— pulmonary actinomycosis, 182
—— —— —— embolism, 94
—— —— thoracic injuries, Nerve block in, 126
—— —— tuberculous empyema, 48
Trenchard, H. J. Symptoms in tuberculosis, 20
Trenis, J. W. See Josey, A. I., *et al.*, 119
Trent, J. C. Aneurysm of innominate artery, 128
Trichinella, Tuberculosis and, 67
Troisier, J., and Nico, P. Tuberculosis in medical students, 9
Tropical eosinophilia, 79, 80
Tubercle bacilli, Air-borne, 61
—— ——, Alkylresorcinols on, 59
—— —— and urea, 59
—— ——, Culture of, 160
—— ——, Demonstration of, in sputum, 43
—— ——, Diagnostic culture of, 160
—— ——, Dissociation of, 158
—— ——, Growth of, in liquid media, 54
—— ——, —— rate of, 56
—— ——, —— stimulation of, 160
—— —— in bronchoscopic aspirations, 159
—— —— —— gastric contents, 43
—— —— —— tuberculous lesions, 140
—— ——, Metabolism of, 57, 156
—— ——, Preservation of, 159
—— ——, Respiration of, 156
—— ——, Streptomycin resistant strains of, 168
Tubercle bacilli, Submerged growth of, 159
—— ——, Surface-active substances and, 159
—— ——, Virulence of, 57
—— ——, Vole, 161
—— bacillus, Culture medium for, 55
—— endotoxoid, 38
Tuberculin allergy, 66
—— patch tests, 7
—— reaction, Negative, in active tuberculosis, 23
—— reactivity, Cellular transfer of, 162
—— sensitivity, Persistence of, 162
—— testing, 7
Tuberculomata of liver, 152
Tuberculosis, active, Negative tuberculin reaction in, 23
—— among prisoners of war, 10, 11
—— and pregnancy, 22
—— —— trichinella, 67
—— Association program, 131
——, Avian, in man, 29
——, Beds for, 3
——, Blood prothrombin in, 25
——, Bone, 152
——, ——, Surgery in, 153
——, Cardiospasm in, 139
——, Cattle, in U.S.A., 67
——, Congenital, 149
—— control division, 2
—— —— in Minneapolis, Principles of, 131
——, Disseminated, in children, 15
——, experimental, Hematology in, 66
——, exudative, Pathophysiology of, 22
—— from a cat, 45
——, Genetic factor in, 17
——, Genito-urinary, 154, 155
——, Global distribution of, 2
——, Hepatitis and, 28
——, Immunology of, 64, 65
—— in children, 12, 13, 14
—— —— Denmark, 1
—— —— hamsters, 161
—— —— major cities, 3
—— —— medical students, 8, 9
—— —— mental institutions, 6
—— —— Newfoundland, 131
—— —— prostitutes, 133
—— —— swine, 170
——, Inoculation, 150
——, Lower-lobe, 24, 25
——, Lymph node, 152
——, Marital, 11
——, Miliary, 44
——, Minimal, 19

Tuberculosis mortality in cities, 3
—— —— —— nonwhites, 3
—— ——, U. S. A. 1944, 3
—— of mamma, 53
—— —— nasal septum, 51
—— —— serous membranes, 49
—— —— skin, 150
—— —— ——, Classification of, 151
—— —— tonsils, 152
—— —— uterus, 154
——, P-aminosalicylic acid for, 169
——, Para-aminosalicylic acid for, 39
—— patients, Rehabilitation of, 30
——, Pernicious anemia and, 139
——, Premenstrual fever in, 137
——, Primary, 15, 17
——, ——, in adults, 16, 134, 135
——, ——, of conjunctiva, 151
——, ——, Treatment of, 15
—— prophylaxis, Photoroentgenography in, 4
——, Pulmonary and endobronchial, 137
——, ——, in medical students, 132
——, ——, Incipient, 19
——, —— resection in, 38
——, ——, Symptoms in, 138
——, rat, Streptomycin and promin in, 167
——, Renal, 52
——, Streptomycin in, 166
—— survey, 4, 5
——, Symptoms in, 20
——, Toxic granulations in, 44
——, urinary tract, Streptomycin in, 53
——, Ventricular deflections in, 29
Tuberculostatic substances, 165
Tuberculous abscess following penicillin, 155
—— arthritis, 153
—— bronchitis, 25
—— cervical lymph nodes, 51
—— empyema, Treatment of, 48
—— laryngitis, Promin against, 51
—— lesions, Tubercle bacilli in, 140
—— lymph nodes, 50
—— meningitis, 45
—— ——, Streptomycin in, 167
—— necrosis, 162
—— osteoarthritis, 52
—— rheumatism, 46
—— tracheobronchial lymph nodes, Perforating, 49
Tulou and Parique. Marital tuberculosis, 11
Tumor, cell, Alveolar, 107
Tumors, lung, Primary, 107
——, Mediastinal, removed by surgery, 123
——, sympathetic nerve, Intrathoracic, 123
Typhoid and salmonella infections, 87
Ugon, V. A., Victorica, A., and Suarez, H. Echinococcus of pleura, 121
Ulcero-atelectatic syndrome, 23
U. S. A. 1944, Tuberculosis mortality, 3
——, Cattle tuberculosis in, 67
Upper respiratory infection, Pericarditis following, 128
—— —— infections, 179, 180
Urabec, C. R. See Smith, C. R., *et al.*, 61
Urea, Tubercle bacilli and, 59
Urinary tract tuberculosis, Streptomycin in, 53
Ustvedt, H. J. Primary tuberculosis in adults, 134
Uterus, Tuberculosis of, 154

Vaccarezza, O. A. Lymph node tuberculosis, 152
——, ——. ——. See Vaccarezza, R. F., *et al.*, 145
Vaccarezza, R. F., and Dutrey, J. Genetic factor in tuberculosis, 17
——, ——. ——., Pollitzer, G., and Medici, M. A. Hydatid disease of pleura, 120
——, ——. ——., Vaccarezza, O. A., and Rey, J. Extrapleural pneumothorax, 145
Vaccination, BCG, 61, 163
——, ——, in Indians, 63
Valdivieso D., R. Treatment of bronchiectasis, 111
Valle, A. B., and White, M. L. Penicillin in pulmonary resections, 39
Vallentin, G. Clinical experiences with p-aminosalicylic acid, 169
Van Allen, W. W. Fluoroscopic screens, 134
van Buchem, F. S. P. Liver puncture in sarcoidosis, 86
van Deinse, F. Bovine type bacilli, 158
——, ——. Changing virulence, 155
——, ——. Dissociation of tubercle bacilli, 158
van den Eeckhout, H. Primary infection, 135
Van Ordstrand, H. S., Hughes, R., DeNardi, J. M., and Carmodi, M. G. Beryllium poisoning, 104
Velasco, J. M. Rehabilitation of tuberculosis patients, 30
Vendrely, R. See Delaunay, A., *et al.*, 139
Ventilation, Pulmonary, and anoxemia, 174
Ventricular deflections in tuberculosis, 29
Victorica, A. See Ugon, V. A., *et al.*, 121
Vineberg, A. M., and Aronovitch, M. Anterior mediastinal abscess, 124
Virulence, Changing, 155
—— of tubercle bacilli, 57
Vitez, M. Malignant lymphoma, 108

Vogt, J. H. Erythema nodosum, 128
Vole tubercle bacilli, 161
Volume, Pulmonary, receptors, 175

Waksman, S. A. See Geiger, W. B., *et al.*, 168
Walker, W. H. See Thomson, K. J., *et al.*, 73
Wallace, H. J. Tuberculous lymph nodes, 50
Wallach, K., and Zeman, F. D. Pneumonia in aged, 72
Wallgren, A. Treatment of primary tuberculosis, 15
Walter, A. M., Schenkein, E. L., and Sutliff, W. D. Antibodies against pneumococci, 71
War, prisoners of, Tuberculosis among, 10, 11
Warren, J. A. See Merrill, A. J., *et al.*, 126
Weber, F. J. Global distribution of tuberculosis, 2
Weil, J., and Bernard, E. Duration of pneumothorax, 142
Welch, H. J. See Brantigan, O. C., *et al.*, 37
Welding hazards, 104
Wet lung, Traumatic, 98
White, M. L., Jr., and Minor, G. R. Typhoid and salmonella infections, 87
White, M. L., and Valle, A. B. Penicillin in pulmonary resections, 39
Whorton, C. M., and Chapman, C. B. Miliary tuberculosis, 44
Wiles, F. J. See Dormer, B. A., *et al.*, 80
Wiley, M. M. See Zintel, H. A., *et al.*, 40
Williston, Elizabeth H., and Youmans, G. P. Streptomycin resistant strains of tubercle bacilli, 168
Wilson, D. A., and Baker, H. Experimental pulmonary collapse, 92
Wine, M. B. See Hampton, S. F., *et al.*, 107
Winkenwerder, W. L. Asthma in Southwest Pacific, 105
Wood, F. C., and Hodes, P. J. Tropical eosinophilia, 79
Woolley, J. S. See Bobrowitz, I. D., *et al.*, 112
Workmen's compensation for silicosis, 103
Wounds, Chest, 126
——, ——, penetrating, Circulation in, 126
——, Thoracic, 125
Wright, D. O., and Gold, E. M. Loeffler's syndrome, 78

Xalabarder, D. Neuromuscular system of lung, 87
X-ray appearance of draining bronchi, 27
—— diagnosis in bronchiectasis, 113
—— findings, Abnormal, in surveys, 133
—— generator, 6
—— peculiarities in mental deficiency, 21
—— surveys, mass, Nontuberculous lesions in, 69

Yates, J. Acid-fast organisms in gastric contents, 43
Yegian, D., Budd, V., and Middlebrook, G. Biological changes in *M. ranae*, 60
Yerushalmy, J. Tuberculosis mortality in nonwhites, 3
——, ——., and Moriyama, I. M. Tuberculosis mortality, U. S. A. 1944, 3
Youmans, G. P. Growth rate of tubercle bacilli, 56
——, ——. ——., and Williston, Elizabeth H. Streptomycin resistant strains of tubercle bacilli, 168
Young, D. Upper respiratory infections, 180

Zeman, F. D., and Wallach, K. Pneumonia in aged, 72
Zintel, H. A., Flippin, H. E., Nichols, A. C., Wiley, M. M., and Rhoads, J. E. Pharmacology of streptomycin, 40
Zwerling, H. B., and High, R. H. Pulmonary calcifications and age, 178
——, ——. ——., —— Palmer, C. E. Pulmonary calcifications, 177
——, ——. ——. See High, R. H., *et al.*, 178